

RAW SEQUENCE LISTING PATENT APPLICATION *US/08/236,208*

DATE: 01/05/96
TIME: 15:16:53

INPUT SET: S8120.raw

```

357 Thr His Pro Gln Phe Arg Ser Ile Val Ser Ala Leu Lys Arg
358      1185                      1190                      1195
359
360 Glu Ala Leu Val Lys Gly Asn Pro Pro Ile Tyr Arg Phe Trp
361      1200                      1205                      1210
362
363 Lys Asp Asn Leu Gln His Lys Asp Ser Ser Val Pro Asn Thr
364      1215                      1220
365
366 Gly Thr Ala Arg Met Val Glu Thr Thr Ala Tyr Ala Leu Leu
367 1225                      1230                      1235
368
369 Thr Ser Leu Asn Leu Lys Asp Ile Asn Tyr Val Asn Pro Val
370      1240                      1245                      1250
371
372 Ile Lys Trp Leu Ser Glu Glu Gln Arg Tyr Gly Gly Gly Phe
373      1255                      1260                      1265
374
375 Tyr Ser Thr Gln Asp Thr Ile Asn Ala Ile Glu Gly Leu Thr
376      1270                      1275                      1280
377
378 Glu Tyr Ser Leu Leu Val Lys Gln Leu Arg Leu Ser Met Asp
379      1285                      1290
380
381 Ile Asp Val Ser Tyr Lys His Lys Gly Ala Leu His Asn Tyr
382 1295                      1300                      1305
383
384 Lys Met Thr Asp Lys Asn Phe Leu Gly Arg Pro Val Glu Val
385      1310                      1315                      1320
386
387 Leu Leu Asn Asp Asp Leu Ile Val Ser Thr Gly Phe Gly Ser
388      1325                      1330                      1335
389
390 Gly Leu Ala Thr Val His Val Thr Thr Val Val His Lys Thr
391      1340                      1345                      1350
392
393 Ser Thr Ser Glu Glu Val Cys Ser Phe Tyr Leu Lys Ile Asp
394      1355                      1360
395
396 Thr Gln Asp Ile Glu Ala Ser His Tyr Arg Gly Tyr Gly Asn
397 1365                      1370                      1375
398
399 Ser Asp Tyr Lys Arg Ile Val Ala Cys Ala Ser Tyr Lys Pro
400      1380                      1385                      1390
401
402 Ser Arg Glu Glu Ser Ser Ser Gly Ser Ser His Ala Val Met
403      1395                      1400                      1405
404
405 Asp Ile Ser Leu Pro Thr Gly Ile Ser Ala Asn Glu Glu Asp
406      1410                      1415                      1420
407
408 Leu Lys Ala Leu Val Glu Gly Val Asp Gln Leu Phe Thr Asp
409      1425                      1430

```

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/236,208DATE: 01/05/96
TIME: 15:16:56

INPUT SET: S8120.raw

410
411 Tyr Gln Ile Lys Asp Gly His Val Ile Leu Gln Leu Asn Ser
412 1435 1440 1445
413
414 Ile Pro Ser Ser Asp Phe Leu Cys Val Arg Phe Arg Ile Phe
415 1450 1455 1460
416
417 Glu Leu Phe Glu Val Gly Phe Leu Ser Pro Ala Thr Phe Thr
418 1465 1470 1475
419
420 Val Tyr Glu Tyr His Arg Pro Asp Lys Gln Cys Thr Met Phe
421 1480 1485 1490
422
423 Tyr Ser Thr Ser Asn Ile Lys Ile Gln Lys Val Cys Glu Gly
424 1495 1500
425
426 Ala Ala Cys Lys Cys Val Glu Ala Asp Cys Gly Gln Met Gln
427 1505 1510 1515
428
429 Glu Glu Leu Asp Leu Thr Ile Ser Ala Glu Thr Arg Lys Gln
430 1520 1525 1530
431
432 Thr Ala Cys Lys Pro Glu Ile Ala Tyr Ala Tyr Lys Val Ser
433 1535 1540 1545
434
435 Ile Thr Ser Ile Thr Val Glu Asn Val Phe Val Lys Tyr Lys
436 1550 1555 1560
437
438 Ala Thr Leu Leu Asp Ile Tyr Lys Thr Gly Glu Ala Val Ala
439 1565 1570
440
441 Glu Lys Asp Ser Glu Ile Thr Phe Ile Lys Lys Val Thr Cys
442 1575 1580 1585
443
444 Thr Asn Ala Glu Leu Val Lys Gly Arg Gln Tyr Leu Ile Met
445 1590 1595 1600
446
447 Gly Lys Glu Ala Leu Gln Ile Lys Tyr Asn Phe Ser Phe Arg
448 1605 1610 1615
449
450 Tyr Ile Tyr Pro Leu Asp Ser Leu Thr Trp Ile Glu Tyr Trp
451 1620 1625 1630
452
453 Pro Arg Asp Thr Thr Cys Ser Ser Cys Gln Ala Phe Leu Ala
454 1635 1640
455
456 Asn Leu Asp Glu Phe Ala Glu Asp Ile Phe Leu Asn Gly Cys
457 1645 1650 1655
458
459
460

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/236,208DATE: 01/05/96
TIME: 15:17:00

INPUT SET: S8120.raw

--> 2494 (i) SEQUENCE CHARACTERISTICS:
2495 (A) LENGTH: 813 base pairs
2496 (B) TYPE: Nucleic Acid
2497 (C) STRANDEDNESS: Double
2498 (D) TOPOLOGY: linear
2499 (ii) MOLECULE TYPE: Other nucleic acid
2500 (A) DESCRIPTION: N19/8 scFv (His Tagged)
2501
2502
2503 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
2504
2505 ATG GCC AAT ATT GTG CTG ACC CAA TCT CCA 30
2506 Met Ala Asn Ile Val Leu Thr Gln Ser Pro
2507 1 5 10
2508
2509 GCT TCT TTG GCT GTG TCT CTA GGG CAG AGG 60
2510 Ala Ser Leu Ala Val Ser Leu Gly Gln Arg
2511 15 20
2512
--> 2513 GCC ACC ATA TCC TGC AGA GCC AGT GAA AGT 120
2514 Ala Thr Ile Ser Cys Arg Ala Ser Glu Ser
2515 25 30
2516
2517 GTT GAT AGT TAT GAC AAT AGT TTT ATG CAC 150
2518 Val Asp Ser Tyr Asp Asn Ser Phe Met His
2519 35 40
2520
2521 TGG TAC CAG CAG AAA CCA GGA CAG CCA CCC 180
2522 Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
2523 45 50
2524
2525 AAA CTC CTC ATC TTT CTT GCA TCC AAC CTA 210
2526 Lys Leu Leu Ile Phe Leu Ala Ser Asn Leu
2527 55 60
2528
2529 GAA TCT GGG GTC CCT GCC AGG TTC AGT GGC 240
2530 Glu Ser Gly Val Pro Ala Arg Phe Ser Gly
2531 65 70
2532
2533 AGT GGG TCT AGG ACA GAC TTC ACC CTC ACC 270
2534 Ser Gly Ser Arg Thr Asp Phe Thr Leu Thr
2535 75 80
2536
2537 ATT GAT CCT GTG GAG GCT GAT GAT GCT GCA 300
2538 Ile Asp Pro Val Glu Ala Asp Asp Ala Ala
2539 85 90
2540
2541 ACC TAT TAC TGT CAG CAA AAT AAT GAG GTT 330
2542 Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Val
2543 95 100
2544
2545 CCG AAC ACG TTC GGA GGG GGG ACC AAG CTG 360
2546 Pro Asn Thr Phe Gly Gly Gly Thr Lys Leu

only 783 are shown.

90?

150?

180?

RAW SEQUENCE LISTING PATENT APPLICATION US/08/236,208

DATE: 01/05/96
TIME: 15:17:03

INPUT SET: S8120.raw

2547		105		110
2548				
2549	GAA ATA AAA CGG ACC GGA GGT GGC GGG TCG	390		
2550	Glu Ile Lys Arg Thr Gly Gly Gly Gly Ser			
2551		115		120
2552				
2553	GGT GGC GGG GGA TCG GGT GGC GGA GGG TCG	420		
2554	Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser			
2555		125		130
2556				
2557	GAC GTC AAG CTC GTG GAG TCT GGG GGA GAC	450		
2558	Asp Val Lys Leu Val Glu Ser Gly Gly Asp			
2559		135		140
2560				
2561	TTA GTG AAG CTT GGA GGG TCC CTG AAA CTC	480		
2562	Leu Val Lys Leu Gly Gly Ser Leu Lys Leu			
2563		145		150
2564				
2565	TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT	510		
2566	Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser			
2567		155		160
2568				
2569	AGC TAT TAT ATG TCT TGG GTT CGC CAG ATT	540		
2570	Ser Tyr Tyr Met Ser Trp Val Arg Gln Ile			
2571		165		170
2572				
2573	TCA GAG AAG AGG CTG GAG TTG GTC GCA GCC	570		
2574	Ser Glu Lys Arg Leu Glu Leu Val Ala Ala			
2575		175		180
2576				
2577	ATT AAT AGT AAT GGT GAT AGC ACC TAC TAT	600		
2578	Ile Asn Ser Asn Gly Asp Ser Thr Tyr Tyr			
2579		185		190
2580				
2581	CCA GAC ACT GTG AAG GGC CGA TTC ACC ATC	630		
2582	Pro Asp Thr Val Lys Gly Arg Phe Thr Ile			
2583		195		200
2584				
2585	TCC AGA GAC AAT GCC AAG AGC ACC CTG GAT	660		
2586	Ser Arg Asp Asn Ala Lys Ser Thr Leu Asp			
2587		205		210
2588				
2589	CTG CAA ATG AGC AGT CTG AAG TCT GAG GAC	690		
2590	Leu Gln Met Ser Ser Leu Lys Ser Glu Asp			
2591		215		220
2592				
2593	ACA GCC TTG TAT TTC TGT GTA AGA GAG ACT	720		
2594	Thr Ala Leu Tyr Phe Cys Val Arg Glu Thr			
2595		225		230
2596				
2597	TAT TAC TAC GGG ATT AGT CCC GTC TTC GAT	750		
2598	Tyr Tyr Tyr Gly Ile Ser Pro Val Phe Asp			
2599		235		240

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/236,208DATE: 01/05/96
TIME: 15:17:06

INPUT SET: S8120.raw

2600
2601 GTC TGG GGC ACA GGG ACC ACG GTC ACC GTC 780
2602 Val Trp Gly Thr Gly Thr Thr Val Thr Val
2603 245 250
2604
2605 TCC TCA CTC GAG CAC CAC CAC CAC CAC CAC 810
2606 Ser Ser Leu Glu His His His His His His
2607 255 260
2608
2609 TGA 813
2610
2611
2612

08/23/2008
487,283

Notice of Availability

Applicant Aid for Biotechnology Computer Readable Form (CRF) Sequence Listings Submissions

The Patent and Trademark Office (PTO) has developed a computer program, called Checker, that will aid applicants in identifying and correcting errors prior to making submissions for compliance with the Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (sequence rules: 37 CFR 1.821 through 1.825). (Final rules were published in the *Federal Register* (55 FR.18230) on May 1, 1990, and in the *PTO Official Gazette* (1114 Off.Gaz.PatOffice 29) on May 15, 1990.)

Checker is a DOS-based software program that is intended to assist users in determining whether errors may be present in the sequence listings, and is not intended to guarantee that the submission is error-free.

The most current version of the software will be available via computer downloading (details below). Copies on diskette are also available. Updated software versions will not be automatically mailed out; any updates will be announced in the *PTO Official Gazette*.

The software can be accessed/requested in the following locations:

- 1) Dial-up access to the Patent and Trademark Office Bulletin Board System.
Phone number: 703-305-8950
Cost: Free-of-charge
- 2) Dial-up access through the Internet. FTP site: [ftp.uspto.gov](ftp://ftp.uspto.gov/pub/checker)
Login as "anonymous". Software is in directory /pub/checker
Cost: Free-of-charge
- 3) For diskette copies, telephone requests to 703-308-0322.
Cost: \$25.00

For Further Information Contact: Meredith Beckhardt at 703-308-4212.